

Onanon Connector Series MagConnect | Hero

Onanon's *MagConnect*™| *Hero* is performance engineered to be the most intuitive interconnect in the world. Its unique magnetic safety latch feature is ideal for medical applications, where time, precision, and quality are most critical. Additional suitable markets include but are not limited to the automotive, aerospace and industrial industries. MagConnect™ series has been used in applications with low & high voltages, sensitive EMI, shock & vibration environments, and integration of intelligent electronics.

- 2 to 20 pin capacity
- Intuitive and self-mating
- Magnetic safety de-latching
- Customizable for reusable or single use applications
- Easily add components such as EEPROMs, resistors and capacitors
- EMI/RFI Safe
- Low (<12v) & High (>5000v) Voltage Safe
- Rugged use in outdoor wearables
- VF/HF/RF Safe



Specifications

Mechanical

Mating Type: Magnetic Mating Cycles: 10k Min Mating Forces:

Insertion: Magnetic Removal: 3.5 lbf Min

Electrical

Operating Voltage: 1kVAC and 1.5kVDC Operating Current: 3A

Environmental

Sterilizable: Gamma, EtO Chemical Resistance: Common

cleaning solvents

Finger Safety: IEC 60601-1 Storage & Operating Temp:

0-150°C

Compatibility

Contacts: 20 pins
Plug Cable Assembly

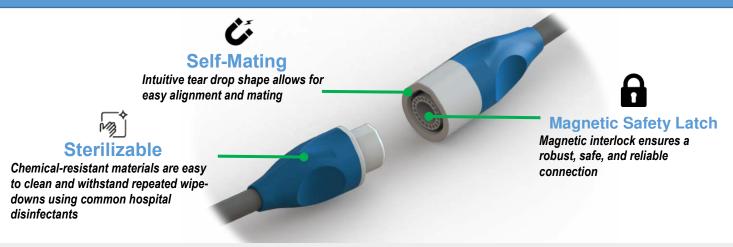
Accepted Wire Gauges: 26-50 AWG Cable Jacket OD: 0.286" Max Contact Termination: Solder

In-Line Receptacle Cable Assembly
Accepted Wire Gauges: 26-50 AWG

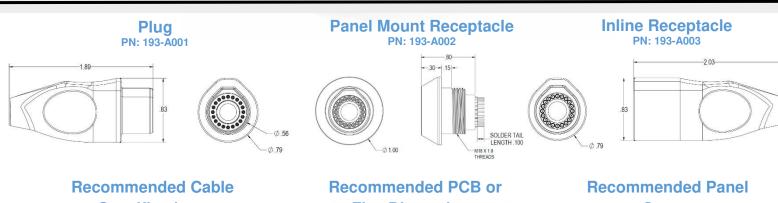
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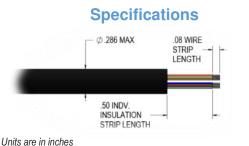


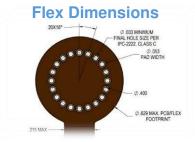
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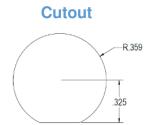


Dimensions









Materials & Assembly

Plug Assembly

Plug Housing: Thermoplastic Polyester Retaining Cap: Thermoplastic Polyester Pins: Gold Plated Brass Alloy

Magnet: Nickel Plated Neodymium

Contact Sales for unspecified dimensions

Slip-On Boot: Thermoplastic Polyurethane

Required Assembly: Assemble connector

body after terminating wires

Inline Receptacle Assembly

Plug Housing: Thermoplastic Polyester Retaining Cap: Thermoplastic Polyester

Pins: Gold Plated Brass Alloy
Magnet: Nickel Plated Neodymium

Slip-On Boot: Thermoplastic Polyurethane

Required Assembly: Assemble connector body after terminating wires

Panel Mount Receptacle

Insulator Insert: Thermoplastic Polyester **Metal Shell:** Chromium Plated Brass Alloy

Pins: Gold Plated Brass Alloy
Magnet: Nickel Plated Neodymium

Required Assembly: Solder a PCB or flex

assembly

Contact Us: sales@onanon.com | (408) 262-8990 | www.onanon.com